

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052548

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/762 H01L21/304

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 059 663 A (CANON KABUSHIKI KAISHA) 13 December 2000 (2000-12-13) page 5, paragraphs 23,25,26,29 page 7, paragraphs 46,52 page 9, paragraph 66 figures 1A-1H,2A-2H,3A,3B,10A-10H,11A-11I,12A-12I	1-4,6,7, 10-24, 26-35
A	----- -/-	5,8,9,25

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the international filing date but later than the priority date claimed

- °T° later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- °&° document member of the same patent family

Date of the actual completion of the International search

15 March 2005

Date of mailing of the International search report

22/03/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ekoué, A

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052548

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 026 728 A (CANON KABUSHIKI KAISHA) 9 August 2000 (2000-08-09) column 17, paragraph 125 column 19, paragraphs 141,146,147 column 21, paragraph 152 column 22, paragraph 159-161 figures 4c,5f	1-4,6,7, 10-15, 18-24, 26-32
A		5,8,9, 16,17,25
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) -& JP 2000 173961 A (SHARP CORP), 23 June 2000 (2000-06-23) abstract page 6, paragraph 42 page 7, paragraph 43-47 page 8, paragraphs 55,57,60 page 9, paragraph 69 figures 1-4	1-14, 19-21, 26-35
A		15-18, 22-25
X	US 6 309 950 B1 (FORBES LEONARD) 30 October 2001 (2001-10-30) column 3, line 40 - column 5, line 29 figures 2-4	3,4,6,7, 10, 14-21, 26-35
A		1,2,5,8, 9,11-13, 22-25
P,X	WO 2004/008525 A (S.O.I.TEC SILICON ON INSULATOR TECHNOLOGIES; GHYSELEN, BRUNO) 22 January 2004 (2004-01-22) page 12, line 29 - page 13, line 11 page 15, line 19 - page 16, line 21 page 20, lines 1-30 page 21, line 34 - page 23, line 12 figure 6	1-4,6,7, 10-13, 15,16, 18,20, 22,23, 28-32
		-/-

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052548

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/081974 A (S.O.I.TEC SILICON ON INSULATOR TECHNOLOGIES; LETERTRE, FABRICE; RAYSSA) 23 September 2004 (2004-09-23) page 6, line 8 - page 7, line 20 page 8, line 31 - page 9, line 14 figure 4	3, 4, 6, 7, 15, 16, 18, 20-23, 28-32
X	EP 1 189 266 A (SHINETSU HANDOTAI KK) 20 March 2002 (2002-03-20) figures 1-5	1, 3
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 03, 30 March 2000 (2000-03-30) -& JP 11 354761 A (SUMITOMO METAL IND LTD), 24 December 1999 (1999-12-24) abstract	3
A	US 2002/187595 A1 (DICHMANN KURT U ET AL) 12 December 2002 (2002-12-12) figures 5-7	1-35

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/052548

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1059663	A	13-12-2000		JP 3472197 B2 JP 2000349319 A JP 3542521 B2 JP 2000349066 A CN 1280383 A EP 1059663 A2 US 6664169 B1 US 2004055894 A1		02-12-2003 15-12-2000 14-07-2004 15-12-2000 17-01-2001 13-12-2000 16-12-2003 25-03-2004
EP 1026728	A	09-08-2000		JP 2000223681 A CN 1272684 A EP 1026728 A2 US 6624047 B1		11-08-2000 08-11-2000 09-08-2000 23-09-2003
JP 2000173961	A	23-06-2000		JP 3515917 B2		05-04-2004
US 6309950	B1	30-10-2001		US 6093623 A US 6538330 B1		25-07-2000 25-03-2003
WO 2004008525	A	22-01-2004		FR 2842651 A1 WO 2004008525 A1 US 2004121557 A1		23-01-2004 22-01-2004 24-06-2004
WO 2004081974	A	23-09-2004		FR 2852445 A1 WO 2004081974 A2 US 2004206444 A1		17-09-2004 23-09-2004 21-10-2004
EP 1189266	A	20-03-2002		EP 1189266 A1 US 2003008478 A1 WO 0173831 A1 JP 2001345435 A TW 509990 B		20-03-2002 09-01-2003 04-10-2001 14-12-2001 11-11-2002
JP 11354761	A	24-12-1999		NONE		
US 2002187595	A1	12-12-2002		NONE		

BEST AVAILABLE COPY